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Watch for the Leonids 1900, *at Markree Observatory.*

By F. W. Henkel, B.A.

Arrangements were made for watches during the nights of November 14, 15, and 16, though in view of the usually unfavourable atmospheric conditions at this time of the year, and the probability of our missing an encounter with a rich part of the stream (alluded to by Mr. Denning in *Nature* for November 8), there arose a feeling of uncertainty as to the result.

On the first night (14–15) rain and unusually high wind continued almost the whole time, so that the sky was completely overcast.

The second night (15–16) was at first somewhat clearer, but rain fell about midnight, and the sky was almost completely hidden by clouds during the remainder of the night. No *Leonids* were seen during the time the watching continued (up to 1 A.M.).

November 16 was a fine day on the whole, and towards midnight the sky became very clear, so that hopes were entertained that something might be seen at last if anything was to be seen at all of the meteors. The sky was watched till about 1 A.M. on the morning of the 17th, when it became overcast in the east, and again at 4 A.M. on the same morning, at which time, however, there were a good many clouds.

Two meteors were seen about 0·30 A.M. (D.M.T.) on the early morning of the 17th, one, fairly bright, with path ending near δ *Geminorum*, the other, fainter, near *Regulus*. At 4 A.M. no meteors could be seen, though a careful watch was made for some time.

Markree Observatory, Collooney, Ireland :
1900 *November* 18.

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Ephemeris for Physical Observations of

Greenwich Noon.		P.	L—O.	B.	Apparent Diameter.			d.	Q.	B′.
					Equat. 2a.	Defect.	Polar 2b.			
1901.		°	°	°	″	″	″	°	°	°
Jan.	17	359·325	134·144	−2·268	32·62	0·06	30·52	4·88	270·71	−2·42
	19	359·124	134·573	2·259	32·70	·07	30·59	5·15	270·50	2·41
	21	358·925	135·001	2·250	32·79	·07	30·68	5·41	270·30	2·41
	23	358·728	135·424	2·241	32·88	·08	30·76	5·67	270·10	2·40
	25	358·532	135·844	2·232	32·98	·09	30·85	5·93	269·90	2·39
	27	358·338	136·260	−2·223	33·08	·10	30·95	6·18	269·70	−2·38
	29	358·147	136·671	2·214	33·19	·10	31·05	6·43	269·51	2·37
	31	357·957	137·078	2·205	33·30	·11	31·15	6·67	269·31	2·36
Feb.	2	357·769	137·482	2·196	33·41	·12	31·26	6·91	269·12	2·35
	4	357·583	137·880	2·187	33·53	·13	31·37	7·15	268·92	2·34
	6	357·400	138·273	−2·178	33·66	·14	31·49	7·38	268·74	−2·33
	8	357·219	138·661	2·169	33·79	·15	31·61	7·61	268·55	2·32
	10	357·041	139·044	2·160	33·92	·16	31·74	7·83	268·36	2·31
	12	356·865	139·423	2·151	34·06	·17	31·87	8·04	268·18	2·30
	14	356·692	139·795	2·142	34·21	·18	32·00	8·25	268·01	2·29
	16	356·523	140·161	−2·133	34·35	·19	32·14	8·46	267·84	−2·28
	18	356·356	140·521	2·124	34·51	·20	32·28	8·66	267·67	2·27
	20	356·193	140·874	2·115	34·66	·21	32·43	8·85	267·50	2·26
	22	356·033	141·221	2·106	34·83	·22	32·58	9·04	267·33	2·25
	24	355·877	141·560	2·097	34·99	·23	32·74	9·22	267·18	2·24
	26	355·723	141·893	−2·089	35·16	·24	32·90	9·39	267·02	−2·23
	28	355·573	142·220	2·080	35·34	·25	33·07	9·55	266·86	2·22
Mar.	2	355·427	142·540	2·072	35·52	·25	33·23	9·70	266·71	2·21
	4	355·283	142·851	2·064	35·71	·26	33·41	9·85	266·56	2·21
	6	355·142	143·155	2·056	35·90	·27	33·58	9·99	266·42	2·20
	8	355·008	143·451	−2·048	36·09	·28	33·76	10·13	266·28	−2·19
	10	354·878	143·738	2·040	36·29	·29	33·95	10·25	266·15	2·18
	12	354·751	144·016	2·032	36·49	·30	34·14	10·36	266·02	2·17
	14	354·627	144·285	2·024	36·70	·31	34·33	10·46	265·89	2·16
	16	354·506	144·545	2·016	36·91	·31	34·53	10·56	265·76	2·15
	18	354·393	144·797	−2·008	37·12	·32	34·73	10·65	265·65	−2·15
	20	354·283	145·039	2·001	37·34	·33	34·94	10·73	265·54	2·14
	22	354·179	145·272	1·994	37·57	·33	35·15	10·80	265·44	2·13
	24	354·078	145·494	1·987	37·79	·34	35·36	10·86	265·33	2·12
	26	353·980	145·707	−1·980	38·02	0·34	35·58	10·91	265·22	−2·12

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